

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	(@ad<="20030331") and (216/13.ccls.) and piezoelectric and resonator and (protecti\$4 or stop or insulat\$3 or selectiv\$4 or encapsulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 16:32
S1	8608	(@ad<="20030331") and (piezoelectric with resonator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 13:33
S2	111	(@ad<="20030331") and (piezoelectric with resonator) and (protect\$4 adj layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 16:41
S3	29	(@ad<="20030331") and (piezoelectric with resonator) and ((protect\$4 adj layer) with etch\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/09 14:40
S4	113	(@ad<="20030331") and (piezoelectric with resonator) and (protect\$4 adj layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:38
S5	1	("6933807").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 12:45
S6	42	(@ad<="20030331") and (piezoelectric with resonator) and ((etch adj1 stop) or etchstop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 14:09
S7	2	("20040191947").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/14 14:09
S8	4	(@ad<="20030331") and (piezoelectric with resonator) and (encapsulat\$4 adj layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 16:56
S9	17	(@ad<="20030331") and (piezoelectric with resonator) and (isolat\$4 adj layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:36

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S10	2023	(@ad<="20030331") and (29/25.35.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:36
S11	1536	(@ad<="20030331") and (29/25.35.ccls.) and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:36
S12	369	(@ad<="20030331") and (29/25.35.ccls.) and piezoelectric and resonator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:37
S13	250	(@ad<="20030331") and (29/25.35.ccls.) and piezoelectric and resonator and (protecti\$4 or stop or insulat\$3 or selectiv\$4 or encapsulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 16:32
S14	7	((("5714917") or ("6617249") or ("6812473"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:53
S15	3	((("5714917") or ("6617249") or ("6812473"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/03/15 10:10
S16	1	("20040200050").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/03/15 10:11
S17	1818	(@ad<="20030331") and (piezo\$ same (protect\$3 with (cover layer)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:40
S18	601	(@ad<="20030331") and (piezo\$ same (protect\$3 with (cover layer))) and (oxide or "sio.sub.2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:41
S19	1397	(@ad<="20030331") and (piezo\$ same (protect\$3 or ("cover layer"))) and (oxide or "sio.sub.2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:42

## EAST Search History

S20	150	(@ad<="20030331") and ((piezo\$ same (protect\$3 or ("cover layer")))) with (oxide or "sio.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:45
S21	8	(@ad<="20030331") and ((piezo\$ same (protect\$3 or ("cover layer")))) with (oxide or "sio.sub.2")) and (310/36\$1.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:52
S22	10	(@ad<="20030331") and (piezo\$ same (encapsulat\$3 or coat\$3)) and (310/349.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:59
S23	110	(@ad<="20030331") and (piezo\$ same (encapsulat\$3 or coat\$3)) and (310/340.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 15:02
S24	3	(@ad<="20030331") and ((piezo\$ same (encapsulat\$3 or coat\$3)) with etch\$3) and (310/340.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 15:03

**Inventor Name Search Result**

Your Search was:

Last Name = KOMURO

First Name = EIJU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09028116</u>	<u>5943156</u>	150	02/23/1998	POLARIZING PLATE AND METHOD OF MANUFACTURING POLARIZING PLATE	KOMURO, EIJU
<u>09207659</u>	<u>6251297</u>	150	12/09/1998	METHOD OF MANUFACTURING POLARIZING PLATE	KOMURO, EIJU
<u>10031239</u>	<u>7046103</u>	150	04/02/2002	ELECTRIC FILTER COMPRISING A PLURALITY OF THIN FILM BULK ACOUSTIC RESONATORS	KOMURO, EIJU
<u>10031240</u>	<u>6774746</u>	150	04/02/2002	THIN FILM BULK ACOUSTIC RESONATOR FILTERS WITH A PIEZOELECTRIC LAYER OF LEAD SCANDIUM TANTALUM OXIDE	KOMURO, EIJU
<u>10069754</u>	Not Issued	161	02/28/2002	Method For Hermetically Packaging Bulk Acoustic Resonator Device	KOMURO, EIJU
<u>10260265</u>	<u>6778038</u>	150	10/01/2002	PIEZOELECTRIC RESONANT FILTER, DUPLEXER, AND METHOD OF MANUFACTURING SAME	KOMURO, EIJU
<u>10380985</u>	<u>7187254</u>	150	03/20/2003	FILM BULK ACOUSTIC RESONATOR FILTERS WITH A COPLANAR WAVEGUIDE	KOMURO, EIJU
<u>10486719</u>	<u>7078984</u>	150	02/13/2004	DUPLEXER AND METHOD OF MANUFACTURING SAME	KOMURO, EIJU
<u>10670234</u>	<u>6977563</u>	150	09/26/2003	THIN-FILM PIEZOELECTRIC RESONATOR AND METHOD FOR FABRICATING THE SAME	KOMURO, EIJU
<u>10718799</u>	<u>7199504</u>	150	11/24/2003	FILM BULK ACOUSTIC	KOMURO, EIJU

				RESONATOR FILTER	
<u>10731157</u>	<u>6989723</u>	150	12/10/2003	PIEZOELECTRIC RESONANT FILTER AND DUPLEXER	KOMURO, EIJU
<u>10806378</u>	<u>6954117</u>	150	03/23/2004	ELECTRONIC COMPONENT INCLUDING PIEZO-ELECTRIC RESONATOR MOUNTED BY FACE-DOWN BONDING WITH A REQUIRED DIE SHEAR STRENGTH	KOMURO, EIJU
<u>10806469</u>	Not Issued	161	03/23/2004	Compact electronic component including piezo-electric resonator mounted by face-down bonding with improved reliability	KOMURO, EIJU
<u>10811812</u>	Not Issued	71	03/30/2004	Method of manufacturing a piezoelectric thin film resonator, manufacturing apparatus for a piezoelectric thin film resonator, piezoelectric thin film resonator, and electronic component	KOMURO, EIJU
<u>10814120</u>	<u>7109637</u>	150	04/01/2004	THIN-FILM BULK ACOUSTIC OSCILLATOR AND METHOD OF MANUFACTURING SAME	KOMURO, EIJU
<u>10819134</u>	<u>7124485</u>	150	04/07/2004	METHOD OF MANUFACTURING A PIEZOELECTRIC THIN FILM RESONATOR, MANUFACTURING APPARATUS FOR A PIEZOELECTRIC THIN FILM RESONATOR.	KOMURO, EIJU
<u>10968976</u>	<u>7003875</u>	150	10/21/2004	METHOD FOR MANUFACTURING PIEZO-RESONATOR	KOMURO, EIJU
<u>10995365</u>	<u>7183879</u>	150	11/24/2004	ELECTRIC FILTER, AND DUPLEXER USING THE SAME	KOMURO, EIJU
<u>11490164</u>	Not Issued	20	07/21/2006	Method of manufacturing thin-film electronic device	KOMURO, EIJU

Inventor Search Completed: No Records to Display.

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Last Name	First Name	
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**Inventor Name Search Result**

Your Search was:

Last Name = SAITOU

First Name = HISATOSHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09472806</a>	<a href="#">6259187</a>	150	12/28/1999	PIEZOELECTRIC BULK ACOUSTIC WAVE DEVICE	SAITOU, HISATOSHI
<a href="#">09558586</a>	<a href="#">6198208</a>	150	04/26/2000	Thin film piezoelectric device	SAITOU, HISATOSHI
<a href="#">09842802</a>	Not Issued	71	04/27/2001	Multilayer thin film and its fabrication process as well as electron device	SAITOU, HISATOSHI
<a href="#">09842805</a>	<a href="#">6709776</a>	150	04/27/2001	MULTILAYER THIN FILM AND ITS FABRICATION PROCESS AS WELL AS ELECTRON DEVICE	SAITOU, HISATOSHI
<a href="#">10650764</a>	<a href="#">6855996</a>	150	08/29/2003	ELECTRONIC DEVICE SUBSTRATE STRUCTURE AND ELECTRONIC DEVICE	SAITOU, HISATOSHI
<a href="#">10731157</a>	<a href="#">6989723</a>	150	12/10/2003	PIEZOELECTRIC RESONANT FILTER AND DUPLEXER	SAITOU, HISATOSHI
<a href="#">10811812</a>	Not Issued	71	03/30/2004	Method of manufacturing a piezoelectric thin film resonator, manufacturing apparatus for a piezoelectric thin film resonator, piezoelectric thin film resonator, and electronic component	SAITOU, HISATOSHI
<a href="#">10814120</a>	<a href="#">7109637</a>	150	04/01/2004	THIN-FILM BULK ACOUSTIC OSCILLATOR AND METHOD OF MANUFACTURING SAME	SAITOU, HISATOSHI
<a href="#">10817907</a>	Not Issued	93	04/06/2004	SUBSTRATE FOR ELECTRONIC DEVICE, ELECTRONIC DEVICE AND METHODS OF MANUFACTURING SAME	SAITOU, HISATOSHI
<a href="#">10843568</a>	<a href="#">7170370</a>	150	05/12/2004	FILTER DEVICE CAPABLE OF OBTAINING ATTENUATION	SAITOU, HISATOSHI

				CHARACTERISTIC OF SHARPNESS IN NARROW BAND WIDTH AND BRANCHING FILTER USING THE SAME	
<u>10901382</u>	Not Issued	41	07/29/2004	Piezoelectric resonator, filter and electronic component using the same	SAITOU, HISATOSHI
<u>10902525</u>	Not Issued	93	07/30/2004	FILTER DEVICE UTILIZING STACKED RESONATORS AND ACOUSTIC COUPLING AND BRANCHING FILTER USING SAME	SAITOU, HISATOSHI
<u>10968976</u>	<u>7003875</u>	150	10/21/2004	METHOD FOR MANUFACTURING PIEZO-RESONATOR	SAITOU, HISATOSHI

Inventor Search Completed: No Records to Display.

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**PALM INTRANET**
**Inventor Name Search Result**

Your Search was:

Last Name = NOGUCHI

First Name = TAKAO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06648878</u>	<u>4570453</u>	150	09/10/1984	APPARATUS FOR CONTINUOUSLY COOLING HEATED METAL PLATE	NOGUCHI, TAKAO
<u>07717028</u>	<u>5081858</u>	150	06/18/1991	METHOD FOR FORMING A LUBRICANT COAT ON THE SURFACE OF A MATERIAL TO BE FORGED AND A FORGING DEVICE PROVIDED WITH A LUBRICANT COAT FORMING MEMBER	NOGUCHI, TAKAO
<u>07728224</u>	<u>5244587</u>	150	07/11/1991	FORGING LUBRICANT AND A METHOD FOR FORMING A LUBRICANT COAT ON THE SURFACE OF A LINEAR MATERIAL	NOGUCHI, TAKAO
<u>08516356</u>	<u>5828080</u>	150	08/17/1995	OXIDE THIN FILM, ELECTRONIC DEVICE SUBSTRATE AND ELECTRONIC DEVICE	NOGUCHI, TAKAO
<u>08524809</u>	<u>5955213</u>	150	09/07/1995	FERROELECTRIC THIN FILM, ELECTRIC DEVICE, AND METHOD FOR PREPARING FERROELECTRIC THIN FILM	NOGUCHI, TAKAO
<u>08524904</u>	<u>5753934</u>	150	09/07/1995	MULTILAYER THIN FILM, SUBSTRATE FOR ELECTRONIC DEVICE, ELECTRONIC DEVICE, AND PREPARATION OF MULTILAYER OXIDE THIN FILM	NOGUCHI, TAKAO
<u>08644829</u>	<u>5810923</u>	150	05/10/1996	METHOD FOR FORMING OXIDE THIN FILM, AND THE TREATMENT OF SILICON SUBSTRATE	NOGUCHI, TAKAO



<u>08663741</u>	<u>5801105</u>	150	06/14/1996	MULTILAYER THIN FILM, SUBSTRATE FOR ELECTRONIC DEVICE, ELECTRONIC DEVICE, AND PREPARATION OF MULTILAYER OXIDE THIN FILM	NOGUCHI, TAKAO
<u>08855444</u>	<u>5919515</u>	150	05/13/1997	FERROELECTRIC THIN FILM, ELECTRIC DEVICE AND METHOD FOR PREPARING FERROELECTRIC THIN FILM	NOGUCHI, TAKAO
<u>08883456</u>	<u>6121647</u>	150	06/26/1997	FILM STRUCTURE, ELECTRONIC DEVICE, RECORDING MEDIUM, AND PROCESS OF PREPARING FERROELECTRIC THIN FILMS	NOGUCHI, TAKAO
<u>08938009</u>	Not Issued	161	09/12/1997	OXIDE THIN FILM, ELECTRONIC DEVICE SUBSTRATE, ELECTRONIC DEVICE, METHOD FOR FORMING OXIDE THIN FILM, AND TREATMENT OF SILICON SUBSTRATE	NOGUCHI, TAKAO
<u>09044227</u>	<u>6096434</u>	150	03/19/1998	FILM STRUCTURE ELECTRONIC DEVICE, RECORDING MEDIUM, AND METHOD FOR FORMING CONDUCTIVE OXIDE THIN FILMS	NOGUCHI, TAKAO
<u>09102568</u>	<u>6045626</u>	150	06/23/1998	SUBSTRATE STRUCTURES FOR ELECTRONIC DEVICES	NOGUCHI, TAKAO
<u>09453505</u>	<u>6387712</u>	150	12/03/1999	PROCESS FOR PREPARING FERROELECTRIC THIN FILMS	NOGUCHI, TAKAO
<u>09558586</u>	<u>6198208</u>	150	04/26/2000	Thin film piezoelectric device	NOGUCHI, TAKAO
<u>09842802</u>	Not Issued	71	04/27/2001	Multilayer thin film and its fabrication process as well as electron device	NOGUCHI, TAKAO
<u>09842805</u>	<u>6709776</u>	150	04/27/2001	MULTILAYER THIN FILM AND ITS FABRICATION PROCESS AS WELL AS ELECTRON DEVICE	NOGUCHI, TAKAO
<u>10650764</u>	<u>6855996</u>	150	08/29/2003	ELECTRONIC DEVICE SUBSTRATE STRUCTURE AND ELECTRONIC DEVICE	NOGUCHI, TAKAO

<a href="#">10731157</a>	<a href="#">6989723</a>	150	12/10/2003	PIEZOELECTRIC RESONANT FILTER AND DUPLEXER	NOGUCHI, TAKAO
<a href="#">10786776</a>	<a href="#">7042090</a>	150	02/24/2004	ELECTRONIC DEVICE AND METHOD OF FABRICATING THE SAME	NOGUCHI, TAKAO
<a href="#">10811812</a>	Not Issued	71	03/30/2004	Method of manufacturing a piezoelectric thin film resonator, manufacturing apparatus for a piezoelectric thin film resonator, piezoelectric thin film resonator, and electronic component	NOGUCHI, TAKAO
<a href="#">10817907</a>	Not Issued	93	04/06/2004	SUBSTRATE FOR ELECTRONIC DEVICE, ELECTRONIC DEVICE AND METHODS OF MANUFACTURING SAME	NOGUCHI, TAKAO
<a href="#">11028891</a>	Not Issued	71	01/03/2005	Component for fabricating an electronic device and method of fabricating an electronic device	NOGUCHI, TAKAO
<a href="#">11028992</a>	<a href="#">7173361</a>	150	01/03/2005	FILM BULK ACOUSTIC WAVE RESONATOR	NOGUCHI, TAKAO
<a href="#">11061883</a>	<a href="#">7075214</a>	150	02/22/2005	PIEZOELECTRIC RESONATOR AND ELECTRONIC COMPONENT PROVIDED THEREWITH	NOGUCHI, TAKAO
<a href="#">11069723</a>	<a href="#">7105880</a>	150	02/28/2005	ELECTRONIC DEVICE AND METHOD OF FABRICATING THE SAME	NOGUCHI, TAKAO
<a href="#">11078565</a>	Not Issued	90	03/14/2005	THIN-FILM PIEZOELECTRIC ELEMENT AND METHOD OF MAKING SAME	NOGUCHI, TAKAO
<a href="#">11079211</a>	<a href="#">7148604</a>	150	03/15/2005	PIEZOELECTRIC RESONATOR AND ELECTRONIC COMPONENT PROVIDED THEREWITH	NOGUCHI, TAKAO
<a href="#">11360394</a>	Not Issued	30	02/24/2006	Electronic device and method of making same	NOGUCHI, TAKAO

Inventor Search Completed: No Records to Display.

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**PALM INTRANET**
**Inventor Name Search Result**

Your Search was:

Last Name = IMURA

First Name = MASAANKI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10380985</a>	<a href="#">7187254</a>	150	03/20/2003	FILM BULK ACOUSTIC RESONATOR FILTERS WITH A COPLANAR WAVEGUIDE	IMURA, MASAANKI
<a href="#">10670234</a>	<a href="#">6977563</a>	150	09/26/2003	THIN-FILM PIEZOELECTRIC RESONATOR AND METHOD FOR FABRICATING THE SAME	IMURA, MASAANKI
<a href="#">10718799</a>	<a href="#">7199504</a>	150	11/24/2003	FILM BULK ACOUSTIC RESONATOR FILTER	IMURA, MASAANKI
<a href="#">10811812</a>	Not Issued	71	03/30/2004	Method of manufacturing a piezoelectric thin film resonator, manufacturing apparatus for a piezoelectric thin film resonator, piezoelectric thin film resonator, and electronic component	IMURA, MASAANKI
<a href="#">11568823</a>	Not Issued	19	01/01/0001	RARE EARTH SINTERED MAGNET, RAW MATERIAL ALLOY POWDER FOR RARE EARTH SINTERED MAGNET, AND PROCESS FOR PRODUCING RARE EARTH SINTERED MAGNET	IMURA, MASAANKI

Inventor Search Completed: No Records to Display.

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